

FIG. 1

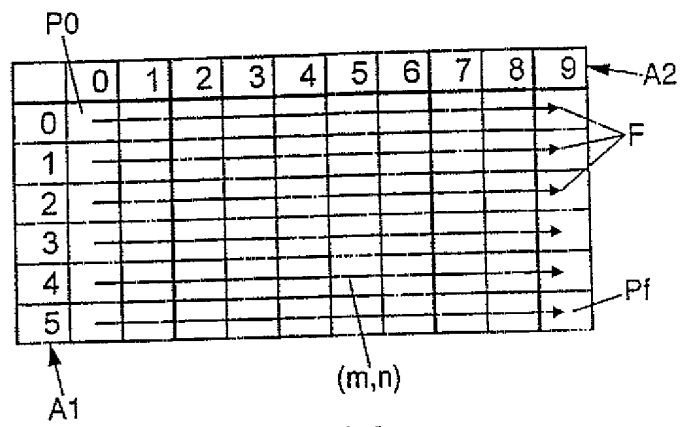


FIG. 2A

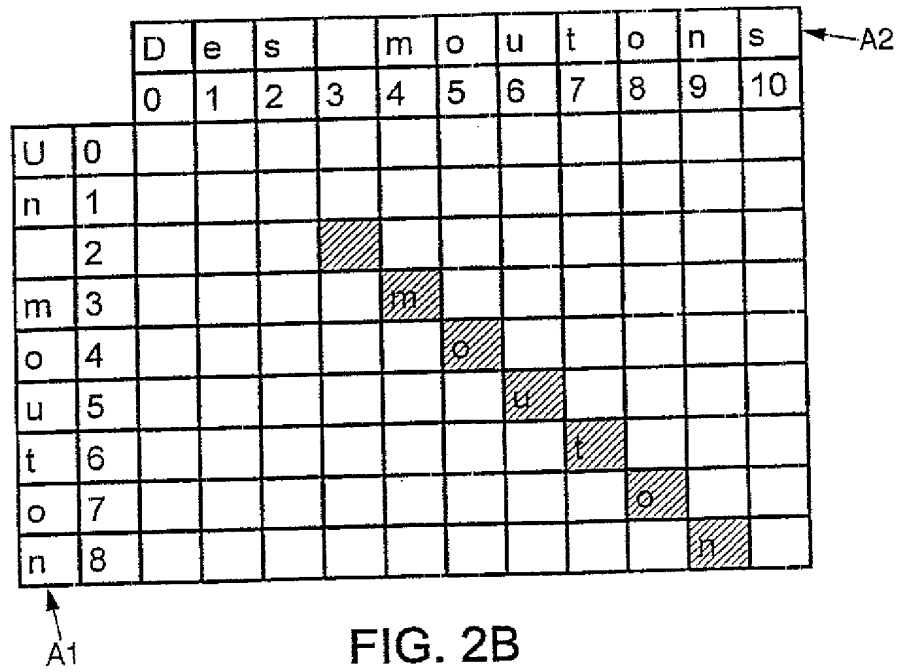


FIG. 2B

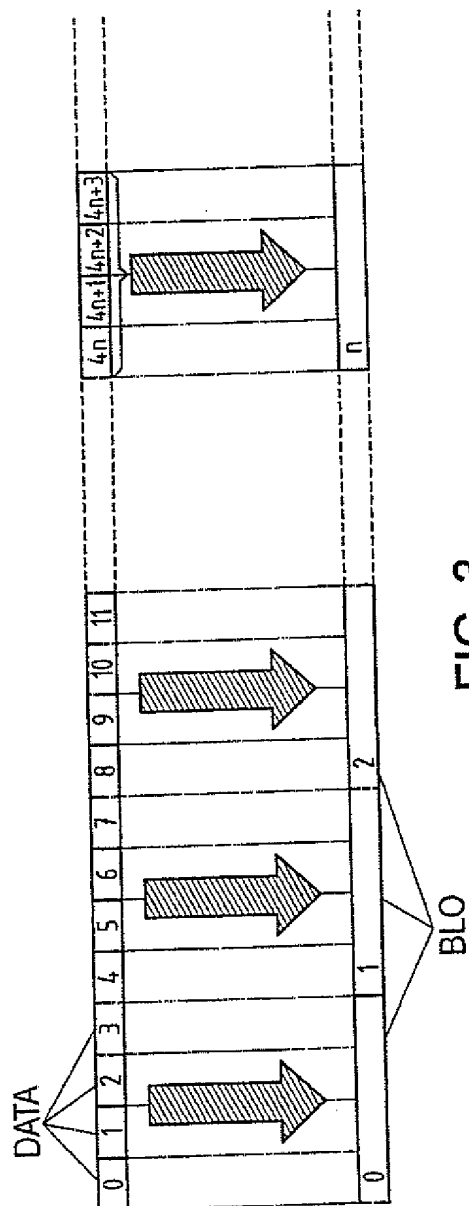


FIG. 3

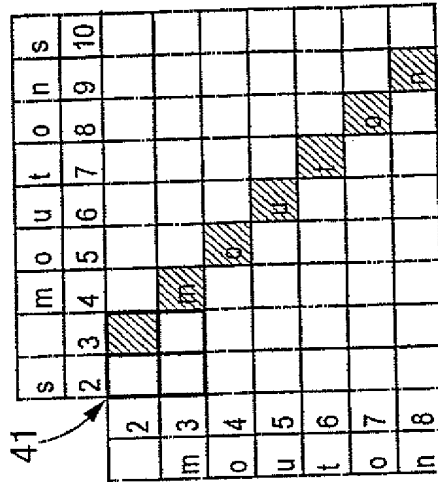


FIG. 4B

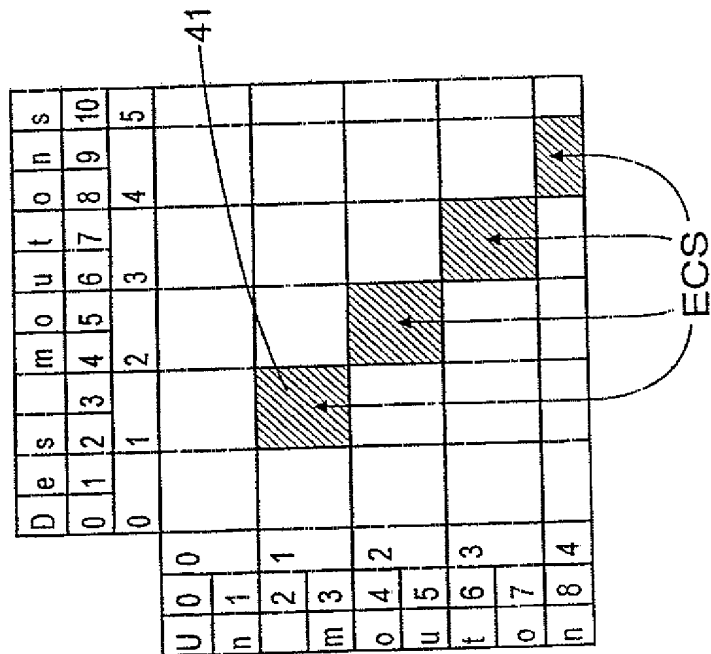


FIG. 4A

Logical OR	0	1
0	0	1
1	1	1

FIG. 5A

Logical AND	0	1
0	0	0
1	0	1

FIG. 5B

	B0	B1
0	1	0
1	0	1
?	1	1
X	0	0

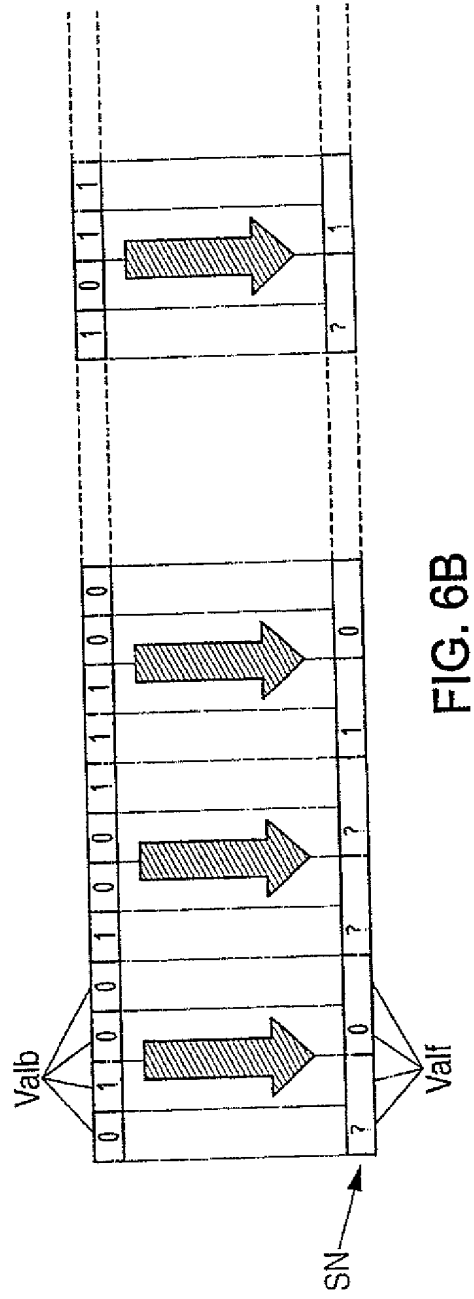
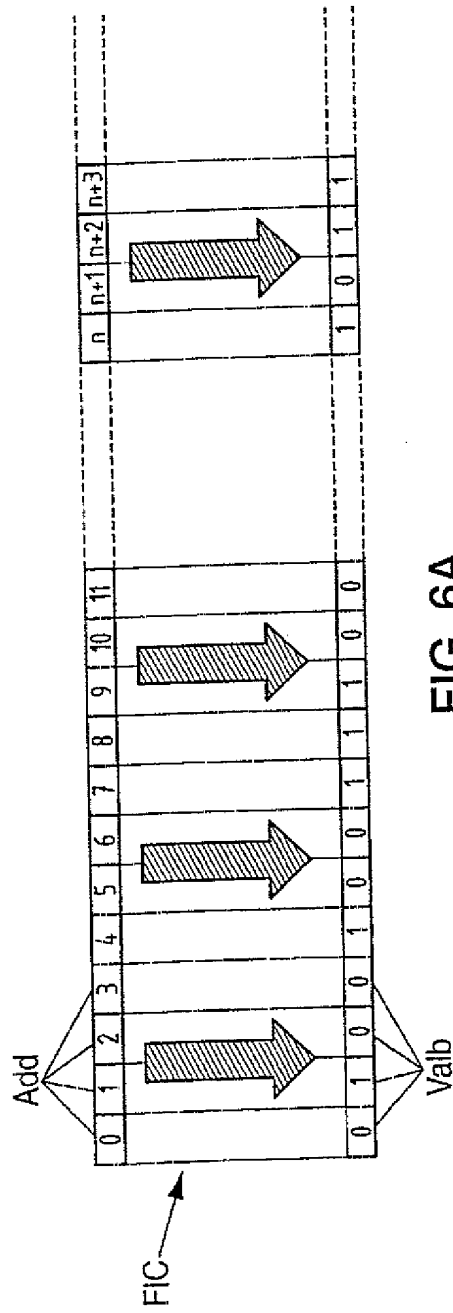
FIG. 5C

Logical OR	0	1	?	X
0	0	?	?	0
1	?	1	?	1
?	?	?	?	?
X	0	1	?	X

FIG. 5D

Logical AND	0	1	?	X
0	0	X	0	X
1	X	1	1	X
?	0	1	?	X
X	X	X	X	X

FIG. 5E



7/17

Characters	L	a		t	o	r	t	u	e
Integer number of the ASCII code	76	97	32	116	111	114	116	117	101
Addresses of the data	0	1	2	3	4	5	6	7	8
Binary states	0	0	0	1	1	1	1	1	0
Fuzzy states (index ratio of 2)	0		?		1		1		0
Fuzzy states with an index ratio of 3	0			1			?		
Fuzzy states with an index ratio of 4	?				1				0

FIG. 7A

L	e		i	i	è	v	r	e
76	101	32	108	105	232	118	114	101
0	1	2	3	4	5	6	7	8
0	0	0	0	0	1	1	1	0
0		0		?		1		0

L	a		t	o	r	t	u	e
76	97	32	116	111	114	116	117	101
0	1	2	3	4	5	6	7	8
0	0	0	1	1	1	1	1	0
0		?		1		1		0

FIG. 7B

	L	a		t	o	r	t	u	e
AD1	0	1	2	3	4				
SN1	0	?	1	1	0				
	0	0							
	1	0							
	2	?							
	3	1							
	4	0							

FIG. 7C

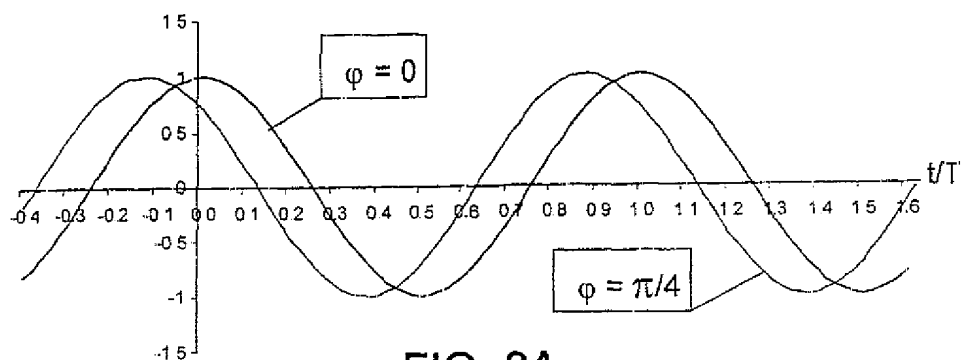


FIG. 8A

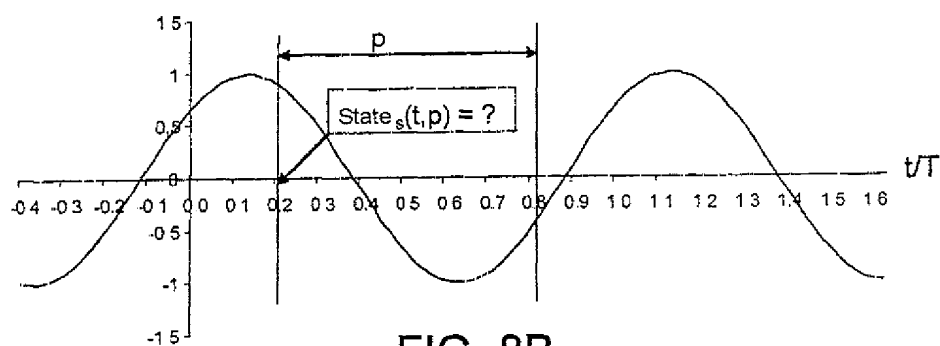


FIG. 8B

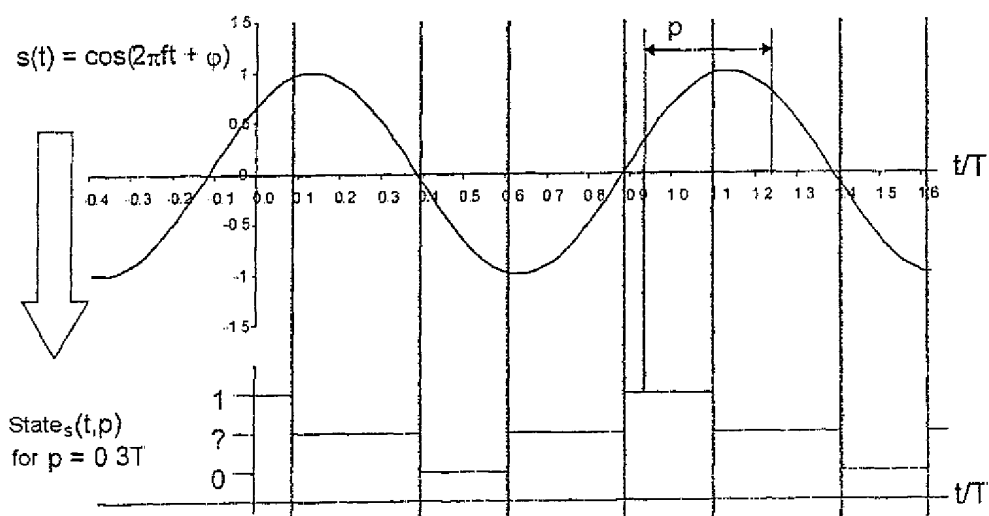


FIG. 8C

9/17

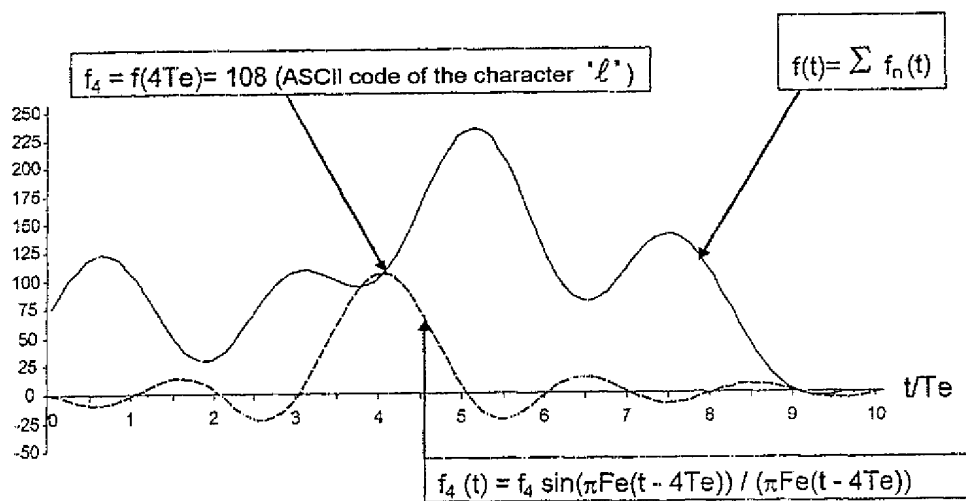
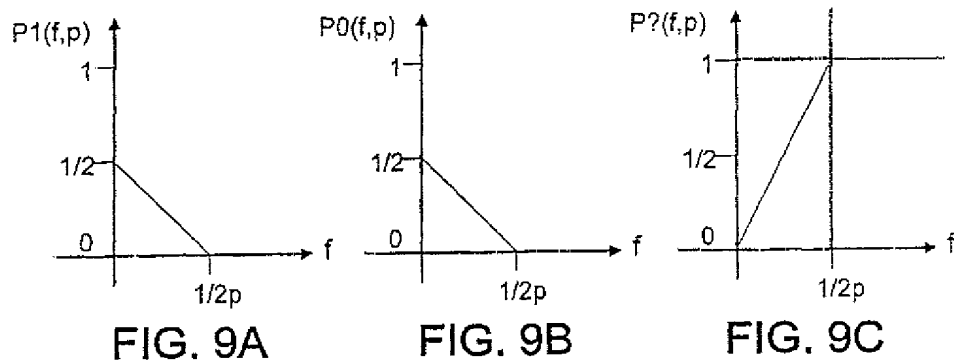


FIG. 10

10/17

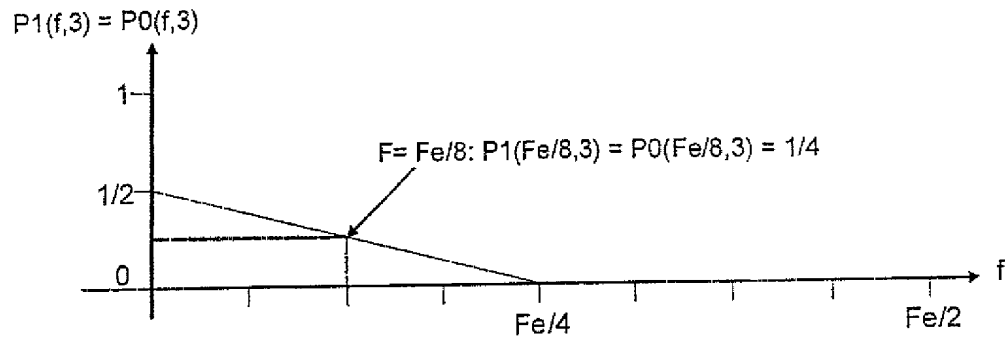


FIG. 11

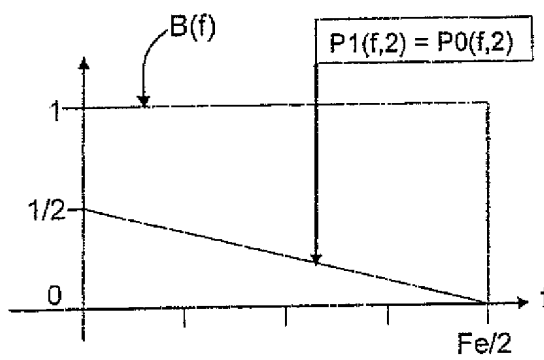


FIG. 12A

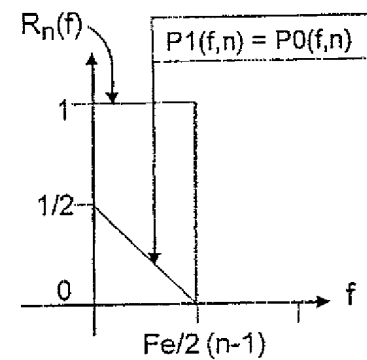


FIG. 12B

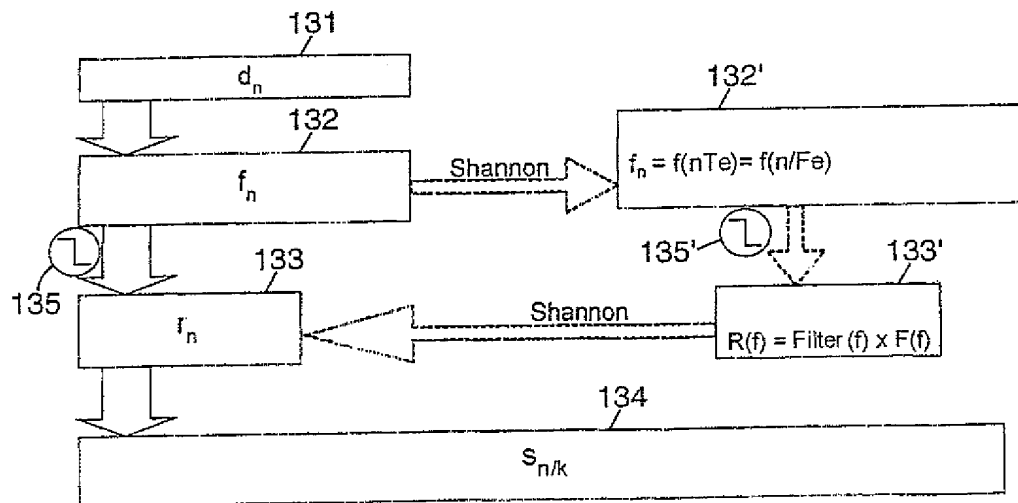


FIG. 13

11/17

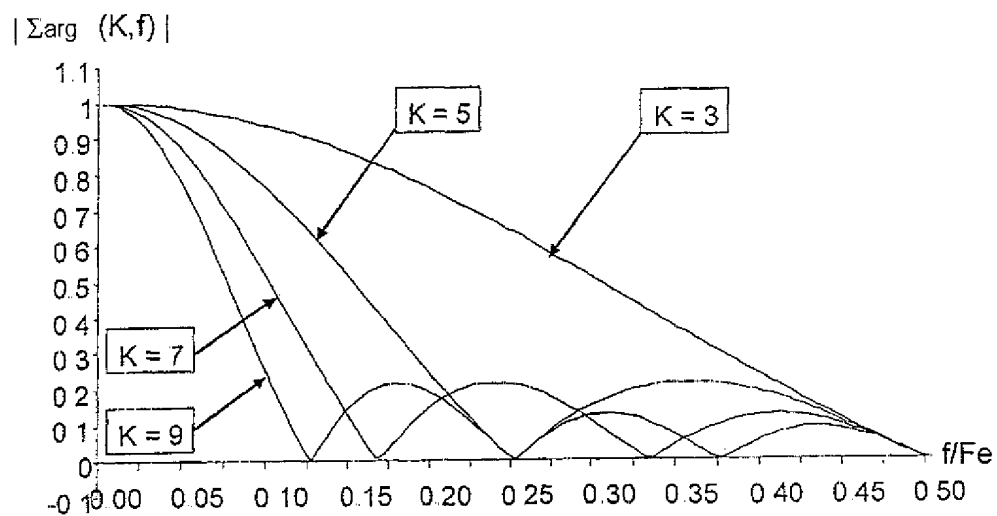


FIG. 14

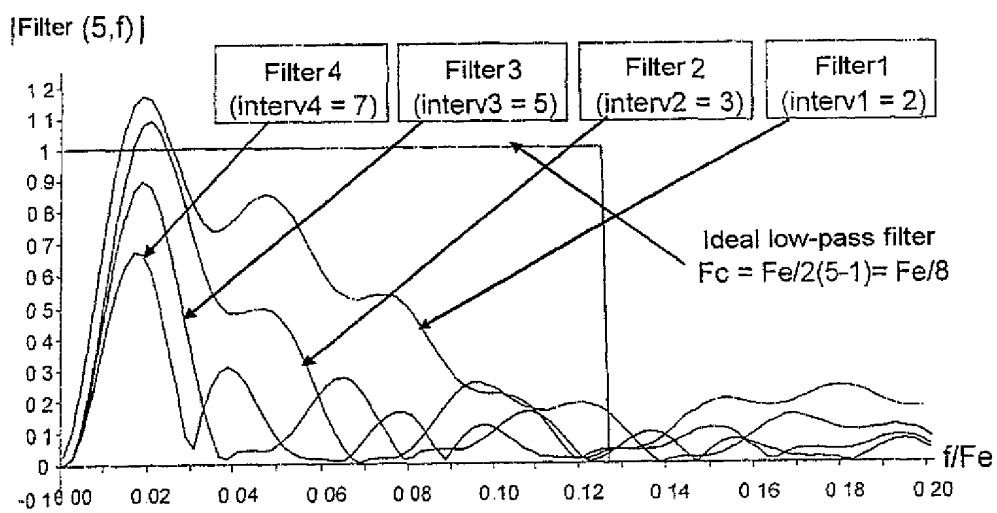


FIG. 15

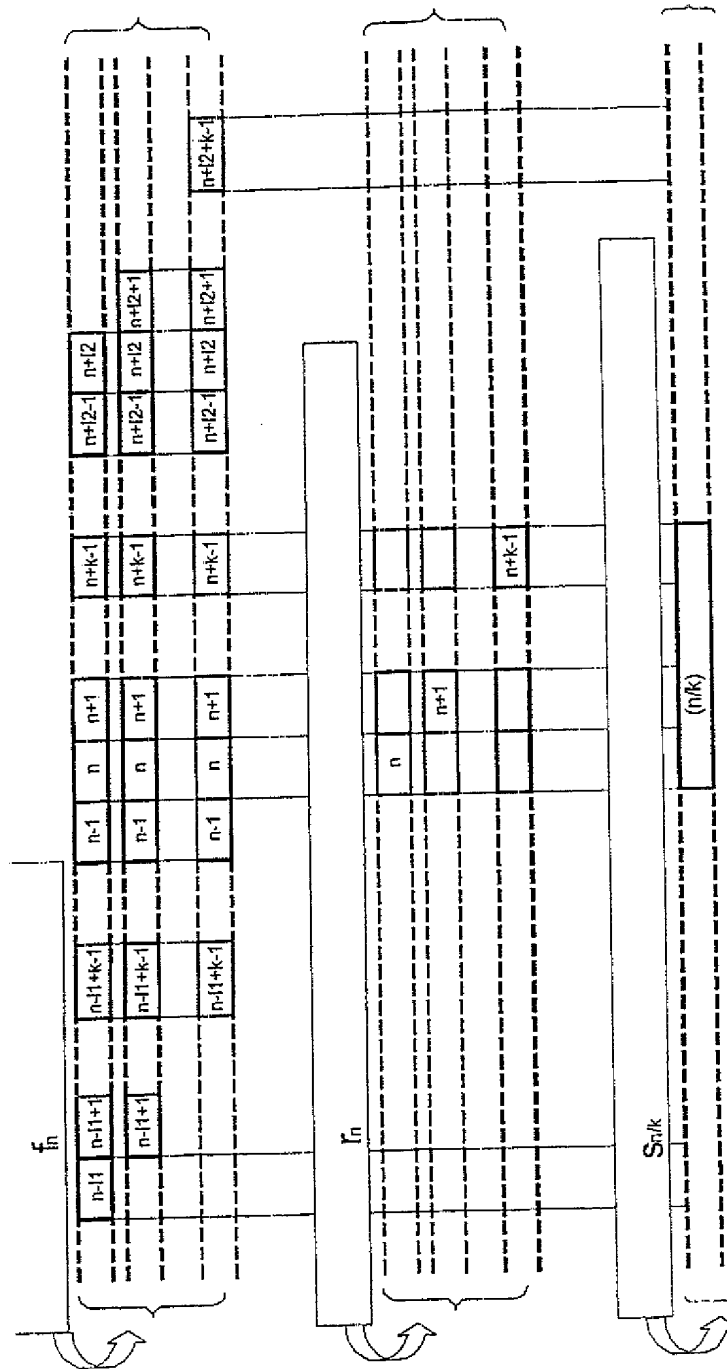


FIG. 16A

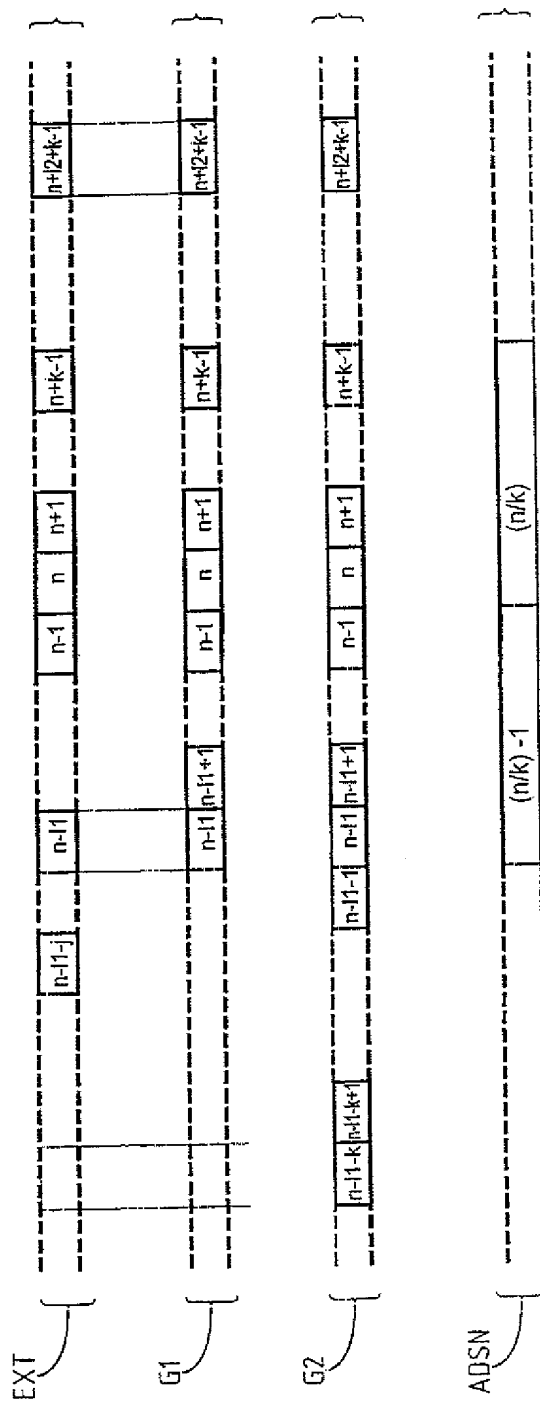


FIG. 16B

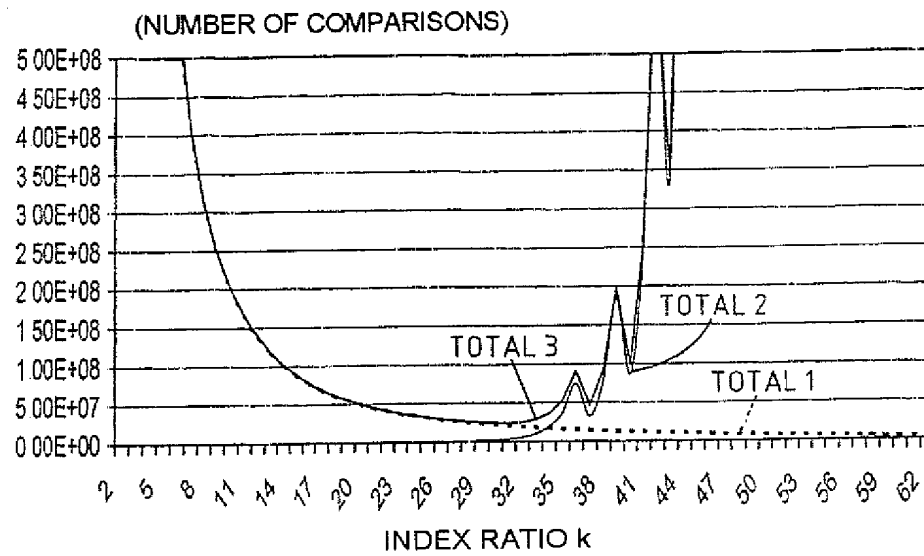


FIG. 17

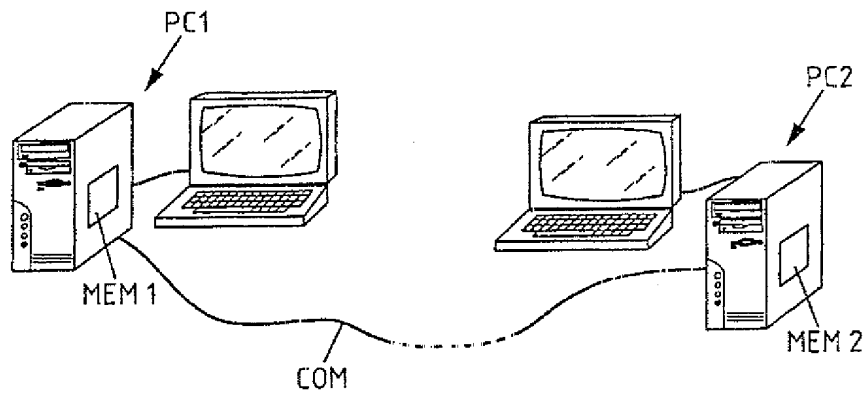


FIG. 18

FIG. 19A

Search for extracts common to two files

Search parameters

Minimum size of the common data extracts to be found: 150 Start search

Query common extracts found

Number of extracts found: 3 First Previous Next Last

Index number of extract found: 1 Go to Size of the common extract: 565

Aggregate size of the extracts usable for regenerating file 1 from file 2 (bytes): 0

Sort by ascending order of start of extract in file 1 Sort by ascending order of start of extract in file 2

Parameters of the 1st file

Name: LA CONSTITUTION DE Directory: D:\DocHTML\ Size (bytes): 85380

Position of the 1st data item displayed in the window: 219

Display window for the 1st file:

☒ Text mode ☐ Hexadecimal mode ☐ Unsigned CHAR mode ☐ Signed CHAR mode

E</TITLE>
<META content="text/html; CHARSET=iso-8859-1 http-equiv=Content-Type">
<META content="MSHTML 5.00.2614.3500" name=GENERATOR>
<META
content="Assemblée nationale: constitution, procédure parlementaire, processus lég
name=description>

Parameters of the 2nd file

Name: REGLEMENT DE L'ASS Directory: D:\DocHTML\ Size (bytes): 213275

Position of the 1st data item displayed in the window: 208

Display window for the 2nd file:

☒ Text mode ☐ Hexadecimal mode ☐ Unsigned CHAR mode ☐ Signed CHAR mode

E</TITLE>
<META content="text/html; CHARSET=iso-8859-1 http-equiv=Content-Type">
<META content="MSHTML 5.00.2614.3500" name=GENERATOR>
<META
content="Assemblée nationale: constitution, procédure parlementaire, processus lég
name=description>

Creation of file archive of search results

Selection of file archive of search results

Selection of the 1st file

Selection of the 2nd file

Monitoring of the search

Time elapsed: 00 h 00 m 01 s OK Abandon

Number of extracts found: 3

Evaluations

Progress percent %: 42

Duration of search: 00 h 00 m 02 s Time remaining: 00 h 00 m 01 s

Search speed in mega comparisons per second: 7721.58

FIG. 19B

Identification of audio extracts of a WAVE format recording file			
Search parameters Accuracy of the search (Hz): <input type="text" value="5"/> Minimum duration of extract (sec): <input type="text" value="20"/> <input type="button" value="Start search"/> Noise (as % of the max level): <input type="text" value="0"/>			<input type="button" value="OK"/> <input type="button" value="Cancel"/>
Query common extracts found Number of extracts found: <input type="text" value="83"/> <input type="button" value="First"/> <input type="button" value="Previous"/> <input type="button" value="Next"/> <input type="button" value="Last"/> Index number of extract found: <input type="text" value="1"/> <input type="button" value="Go to"/> Duration of the current extract: <input type="text" value="0 h 03 m 00 s 00"/> <input type="button" value="Save signature of extract"/> Aggregate duration of extracts found: <input type="text" value="0 h 37 m 15 s 60"/>			<input type="button" value="Creation of file archive of search results"/> <input type="button" value="Selection of file archive of search results"/>
Parameters of the recording to be analyzed Name: <input type="text" value="FM 20040303_093500F"/> Directory: <input type="text" value="D:\AudioRadio\FM\"/> Duration: <input type="text" value="1 h 00 m 00 s 00"/> References: <input type="text" value="Audio source"/> <input type="button" value="Selection of wave file"/> <input type="text" value="FM"/> <input type="button" value="Creation of signature"/> <input type="text" value="Reception Paris: 103.9 MHz"/> <input type="button" value="Selection of signature"/> <input type="text" value="Audio digitization format: 1"/> <input type="button" value="Selection of signature"/> Duration of the extract found: <input type="text"/> From: <input type="text"/> To: <input type="text"/>			
Parameters of the base of reference recordings Number of recordings: <input type="text" value="244"/> <input type="button" value="First"/> <input type="button" value="Previous"/> <input type="button" value="Next"/> <input type="button" value="Last"/> Index number of recording: <input type="text" value="1"/> <input type="button" value="Go to"/> <input type="button" value="Close"/> <input type="button" value="Variables"/> Aggregate duration of the base: <input type="text" value="41 h 31 m 14 s 20"/> Name: <input type="text" value="01-Jazz.wav"/> Directory: <input type="text" value="D:\AudioWave\Claude\"/> Duration: <input type="text" value="0 h 02 m 26 s 40"/> References: <input type="text" value="Format of audio digitization: PCM 44 100 kHz; 16 bits; Stereo"/> <input type="button" value="Selection of wave files"/> <input type="text" value="Time span of digital signature: Start: 0 h 00 m 00 s 00"/> <input type="button" value="Creation of signature"/> <input type="text" value=""/> <input type="button" value="Selection of signature"/> Duration of the extract found: <input type="text"/> From: <input type="text"/> To: <input type="text"/> <input type="button" value="Selection of library of signatures"/>			

FIG. 19C

Recording of audio digital signatures

Characteristics of the audio recording channel

Audio line: Wave Out Mix View meter

Format: PCM 22,050 kHz; 16 bits; Mono State: Presence of audio signal 71

Recording schedule programming

☒ Activated Start time: 16 h 30 m 0 s Date (d/m/y): 15 / 3 / 2004

☐ Deactivated End time: 19 h 00 m 0 s Date (d/m/y): 15 / 3 / 2004

☒ Segmentation of recording files (ceiling duration): 2 h 0 m

Configuration of recording files

Name of audio source: Finfo Storage directory: D:\AudioRadio\

Description: Info Reception Paris, 105.5 MHz

☒ Wave file Name: Finfo 20040315_163000.wav State: Creation in progress

☐ Signature 1: Accuracy (Hz) 25 Name: Finfo 20040315_163000F25.sil State: Creation not activated

☒ Signature 2: Accuracy (Hz) 5 Name: Finfo 20040315_163000F5.sil State: Creation in progress

☐ Signature 3: Accuracy (Hz) 2 Name: Finfo 20040315_163000F2.sil State: Creation not activated

Recording controls

☒ Go Current time: 16 h 34 m 59 s Date: 15/03/2004 (d/m/y) Time elapsed: 0 h 04 m 59 s

☐ Stop Start time: 16 h 30 m 00 s Date: 15/03/2004 (d/m/y) Duration recorded: 0 h 04 m 42 s

Imported file

Open Save

OK Cancel

FIG. 19D